9051 Mira Mesa Blvd, #910094
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sRAGE Human

Advanced Glycosylation End Product-Specific Receptor Human Recombinant
RCP2235

Product Overview

Name	sRAGE Human

Description

Advanced Glycosylation End Product-Specific Receptor Human Recombinant

Accession (Primary)	Q15109

Synonyms

Advanced glycosylation end product-specific receptor, Receptor for advanced glycosylation end products, AGER, SRAGE, RAGE, MGC22357.

Introduction

sRAGE is a member of the immunoglobulin superfamily of cell surface molecules. sRAGE is a receptor for various molecules, including the amyloidogenic form of serum amyloid A, amyloid-beta protein, members of the S100/calgranulin superfamily and advanced glycation end products. sRAGE lies within the major histocompatibility complex (MHC) class III region on chromosome 6. Alternative splicing results in two transcript variants encoding different isoforms. sRAGE mediates interactions of nonenzymatic glycosylated proteins which accumulate in vascular tissue during aging & at an increasing rate in diabetes. sRAGE is a receptor for amyloid beta peptide.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The sterile filtered (0.4 µm) concentrated (0.5mg/ml) protein solution was lyophilized with 30mM acetate buffer pH-4.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.

Purity

Greater than 95% as determined by SDS-PAGE.

Amino acid sequence

MRGSHHHHHH GMASAQNITA RIGEPLVLKC KGAPKKPPQR LEWKLNTGRT EAWKVLSPQG GGPWDSVARV LPNGSLFLPAV GIQDEGIFRCQ AMNRNGKETKS NYRVRVYQIP GKPEIVDSASE LTAGVPNKVG TCVSEGSYPA

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GTLSWHLDGKPL VPNEKGVSVK EQTRRHPETG LFTLQSELMV TPARGGDPRP TFSCSFSPGL PRHRALRTAP IQPRVWEPVPL EEVQLVVEPE GGAVAPGGTV TLTCEVPAQP SPQIHWMKDGVP LPLPPSPVLI LPEIGPQDQG TYSCVATHSS HGPQESRAVS ISIIEPGEEG PTAGEGFDKV REAEDSPQHM

Solubility

Add 0.1M Acetate buffer pH4 to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely.

Precautions

sRAGE Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q15109)